Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/23/2017 11:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124674	-1	2.01	124577	1.98
Blue	F	SSC	125000	124238	-1	2.88	124704	2.66
Blue	E	FITC	22946	22001	-5	2.69	972	9.92
Blue	D	PE	28770	28037	-3	2.37	1004	9.61
Blue	B	PerCP-Cy5-5	51099	49569	-3	3.55	1428	16.96
Blue	A	PE-Cy7	42312	41371	-3	5.17	643	35.23
Red	C	APC	52169	51141	-2	2.83	2962	9.57
Red	A	APC-Cy7	56705	55380	-3	2.78	1145	11.63
Violet	B	V450	14708	13743	-7	5.56	656	9.92
Violet	A	V500	58608	56665	-4	5.46	2505	7.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18578	7.25	602	4	N/A	N/A	Pass
Blue	F	SSC	61458	2.01	533	15	N/A	N/A	Pass
Blue	E	FITC	110	37.51	537	6	0.0229	149	Pass
Blue	D	PE	221	27.52	534	8	0.1657	207	Pass
Blue	B	PerCP-Cy5-5	224	44.74	631	9	0.0100	88	Pass
Blue	A	PE-Cy7	71	118.06	681	10	0.0121	18	Pass
Red	C	APC	342	28.45	595	5	0.0198	87	Pass
Red	A	APC-Cy7	125	42.17	581	5	0.0050	1608	Pass
Violet	B	V450	80	41.45	466	7	0.0423	1568	Pass
Violet	A	V500	183	23.67	496	8	0.0149	680	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.03	-30.54	0.86
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	15.16	13.27 - 19.91	N/A	N/A	30.69	31.15	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14090

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments